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GenCore version 5.1.6
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using sw model protein search, OM protein

July 21, 2003, 08:35:34 ; Search time 14 Seconds (without alignments) 468.665 Million cell updates/sec Run on:

US-09-459-573-10 1135 Title: Perfect score: Sequence:

1 MMQLVHLFMDEITMDPLHAV......IGAIIGVFALRLIYEGVTQR 223 BLOSUM62 Gapop 10.0 Scoring table:

262574 seqs, 29422922 residues , Gapext 0.5 Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

/cgn2_6/ptodata/1/taa/5A_COMB.pep:*
/cgn2_6/ptodata/1/taa/5B_COMB.pep:*
/cgn2_6/ptodata/1/taa/6A_COMB.pep:*
/cgn2_6/ptodata/1/taa/6B_COMB.pep:*
/cgn2_6/ptodata/1/taa/PCTUS_COMB.pep:/
/cgn2_6/ptodata/1/taa/PCTUS_COMB.pep:/ Issued_Patents_AA:* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		Description	Sequence 4608, Ap	•	Sequence 7, Appli	tent No.	nce 4026,	3929,	eduence ,	8, App		485	11,	m	'n	11,	m	'n	2,	7		4	29,	536	296	12,	9	9	Sequence 370, App
SUMMAKIES		ei ei	US-09-134-001C-4608	US-09-396-357-2	US-08-476-254-7	5474933-4	N	US-09-134-001C-3929	US-07-732-242C-7	US-09-351-224E-8	US-09-103-754A-5	US-09-134-001C-4857	US-07-879-617A-11	US-08-301-722A-3	US-08-240-783B-3	US-08-753-985-11	US-09-084-813-3	PCT-US92-09662-3	US-08-301-722A-2	-255-9	US-07-762-132A-2	-301-722A-	US-09-291-922-29	.134-001C-53	-134-001C-296	-462-467B-1	-981-825-	-480-784-6	US-09-071-035-370
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δ g Sequence 2, Application US/09396357
Patent No. 6303348
GENERAL INFORMATION:
APPLICANT: LIVSHITS, VITALY ARKADIEVICH
APPLICANT: ZAKATAEVA, NATALYA PAVLOVNA

RESULT 2 US-09-396-357-2

Sequence 8, Appli Sequence 9, Appli	Sequence 3, Appli Sequence 76, Appl Sequence 76, Appl	Sequence 2, Appli Sequence 4519, Ap Sequence 4, Appli	101	Sequence 10, Appl Sequence 4744, Ap	Sequence 5345, Ap Sequence 2874, Ap	Sequence 5009, Ap Sequence 5, Appl1	Sequence 5, Appl1 Sequence 5, Appl1
US-09-291-922-8 US-08-804-227C-9	US-08-804-198-3 US-08-118-270-76 PCT-US93-08528-76	US-08-788-539A-2 US-09-134-001C-4519 US-09-522-666-4	US-09-031-392-10 US-09-299-549-10	US-09-610-417-10 US-09-134-001C-4744	US-09-134-001C-5345 US-09-134-001C-2874	US-09-134-001C-5009 US-09-031-392-5	US-09-299-549-5 US-09-610-417-5
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737	7388 7388 7388	343 449	493 493	493 518	191 348	424	494 494
999	, e, e,	m m m	6.3	6.3	6.2	6.2 6.2	6.2
72 72 72 72	71.5	71.5	71.5	71.5	70.5	70.5	70.5
28	31 32	3 3 3 3 4 3 5 4 4	36	3 8 3 8	40	4 4 3 8	44

ALIGNMENTS

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Sequence 4608, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOC
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               74 GLATLITQCEEIFSLIRIVGGAYLLWFAWCS-MRRQSTPQMS--TLQQPISAPWYVFFRR 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              131 GLITDLSNPQTVLFFISIFSVTL---NAETPTWARLMAWAGIVLASIIWRVFLSQAFSLP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14 MDPLHAVYLTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 224;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 15.8%; Score 179; DB 4; Length 22. Best Local Similarity 23.4%; Pred. No. 3.8e-12; Matches 49; Conservative 51; Mismatches 99; Indels
                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR APPLICATION NUMBER: US 60/055,779
NUMBER: OF SEQ ID NOS: 5674
SEQ ID NO 4608
LENGTH: 224
                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ; ORGANISM: Staphylococcus epidermidis US-09-134-001C-4608
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SEQUENCE CHARACTERISTICS
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5474933-4
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        APPLICANT: BELAKEOVA, ALL VALENTINOVAR
APPLICANT: TOKHMAKOVA, IRINA LVOVNA
TITLE OF INVENTION: BAR CODING FOR PROTEIN WHICH CONFERS ON BACTERIUM
TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO LO-HOMOSERINE AND METHOD
TITLE OF INVENTION: FOR PRODUCING L-AMINO ACIDS
FILE REPERENCE: 0010-1039-0
CURRENT APPLICATION NUMBER: US/09/396,357
CURRENT FILING DATE: 1999-09-15
EARLIER PILING DATE: 1999-10-13
SOFTWARE: PATENTING DATE: 1998-10-13
SOFTWARE: PATENTING DATE: 1998-10-13
SOFTWARE: PATENTING DATE: 1998-10-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            131 GLITDLSNPQTVLFFISIFSVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVR 190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71 GLFGLATLITQCEEIFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWYVFFRR 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12 ITMDPLHAVYLTVGLFVITFFNPGANLFVVVQTSLASGRRA-GVLTGLGVALGDAFYSGL
                                                                                                                                                                                                                                                                                                                                                                                                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: WATSON COLE STEVENS DAVIS, P.L.L.C. STREET: 1400 K STREET NW. CITY: WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                 Score 126.5; DB 4 Pred. No. 2.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                                       48; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: WEINER, RONALD M.
APPLICANT: FUGUA, WILLIAM C.
TITLE OF INVENTION: MARINE MELA GENE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: POULOS III, JAMES A.
REGISTRATION NUMBER: 31,714
REFERENCE/DOCKET NUMBER: JAP30319C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  171 IALWIKGPKOMKALNKIFGSL 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              191 RAY----GRMQRVASRVIGAI 207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 7, Application US/08476254
Patent No. 5846531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ELECOMMUNICATION INFORMATION TELEPHONE: 202 628-0088
                                                                                                                                                                                                                                                                                                                                                                 11.1%; 21.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 21.98
Matches 44; Conservative
                                                                                                                                                                                                                                                                                                       ; ORGANISM: Escherichia coli
US-09-396-357-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No. 5846531
GENERAL INFORMATION:
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20005-2477
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                     LENGTH: 205
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                                                                                                                                                                                                                                                 SEQ ID NO 2
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Sequence 4026
Sequence 5027
Sequence 5027
Sequence 6026
Sequence 6027
Sequence 607
Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         64 GISMWRAKGKMANLDNTSSQISN-----RALITQGFVTAIANPKGWAFMISLLPPF 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98 ---LWFAWCSMRR--QSTPQMSTLQQPISAPWYVFFRGLITDLSNPQTVLFFISIFSVT 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 45 SLASGRRAGVLTGLGVALGD----AFYSGLGLFGLATLITQCEEIFSLIRIVGGAYL---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      45 SLASGRRAGVLTGLGVALGD----AFYSGLGLFGLATLITQCEEIFSLIRIVGGAYL---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 AMTLGMSIGVRRTLWMMVGELAGVALVAIAAVMGVASMMLNYPQLFDILKWVGGLYLGYI
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                                                                                                                                                                                                                                                                                                    Length 153;
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Best Local Similarity 23.1%; Pred. No. 0.0074;
Matches 36; Conservative 34; Mismatches 57; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        153 LNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPA 188
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** APPLICANT: EINER, RONALD M.; FUGUA JR., WILLIAM C.

** TITLE OF INVENTION: MARINE MELA GENE
                                                                                                                                                                                                                                                                                          Query Match
8.2%; Score 93.5; DB 2;
Best Local Similarity 23.1%; Pred. No. 0.0074;
Matches 36; Conservative 34; Mismatches 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/148,945
FILING DATE: 08-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 974,837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 10-NOV-1992
APPLICATION NUMBER: 496,804
FILING DATE: 21-MAR-1990
153 amino acids
amino acid
                                                                                                                                       ; MOLECULE TYPE: protein US-08-476-254-7
                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , LENGTH: 153
5474933-4
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73 FGLATLITQ---CEEIFSLIRIVGGAYLLWF---AWCSMRQSTPQMSTLQQPISAPWYV 126
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              60 FGMTIILMKKKISQEWSMSLEFLVGIILVYFGISAILSLKKTHEHSHSRLHLHTDHPIYT 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             127 FFRRGLITDLSNPQTVLFFISIFS------VTLNAETPTWARLM----AWAGIVLA 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120 Y--KGI-----PYVKSLFIGIIHGLAGSAAMVLLTMSTVEKAWEGLLYILFFGAGTVLG 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21 MEPDHVIAVST-----HTSTLLI 59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       173 SIIWRVFLSQAFSLPAVRRAYGRMQRVASRVIGAIIGVFALRLIYE-GVTQR 223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   7.1%; Score 81; DB 1; Length 222; 22.0%; Pred. No. 0.3; tive 37; Mismatches 90; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Folkerts, Otto APPLICANT: Crasta, Oswald R. TITLE OF INVENTION: Compositions and Methods for Fumonisin
                                                                                                                                    E: Frishauf, Holtz, Goodman & Woodward, P.C.
600 Third Avenue
                                                                                                                                                                                                               STATE: New York
COUNTRY: USA
ZIP: 10016-208
COMPUTER REDABLE FORM:
MEDIUM TYPE: 3.5 inch, 0.72mb
COMPUTER: IBM PC compatible (NEC PC-9801 RX)
OPERATING SYSTEM: MS DOS
                        APPLICANT: Hidaka, Makoto; Nakamura, Akira; APPLICANT: Macda, Michihisa; Yoneta, Yasuo TITLE OF INVENTION: Gene of Urease NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSEE: Fishauf, Holtz, Goodman & Woc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JPN 2-210178
FILING DATE: 10-AUG-1990
ATORNEY/AGBNT INFORMATION:
NAME: GOODMAN, Herbert
REGISTRATION NUMBER: 17081
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US/07/732,242C
FILING DATE: 19910718
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 91
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)972-1400
TELEFAX: (212)370-1622
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      222 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 236268
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: ASCII FORM CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Duvick, Jon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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Matches 51; Conserv
                                                                                                                                                                                                New York
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APPLICANT:
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APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
                                                                                                                                                                                                                                                                                          62 LGDAFYSGLGLFGLATLITQCEEIFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQ--QP 119
                                                                                                                                                                                                                                                                                                                                                                                        120 ISAPWYVFFRRGLITDLSNPQTVLFFISIFSVTLNAETPTWARLMAWAGIVLASIIWRVF 179
                                                                                                                                                                                                                                                                                                                                                                                                                              72 MSAKKQILF--ALSVSLLNPHAIMDTVGVIGTSASV-YDGYDKVVFSLATISVSWIWFVF 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             81 QCEEIFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWYVFFRRGLITDLSNPQ 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              141 TVLFFI---SIFSVTLNAETPTWARLMAWAGIVLAS--------IIWRVFLSQA 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       40 XLYTGIMLIAGIS-----YVFYQRDIASKR---LLTSIGMGI------ITSVALIII 82
                                                                                                                                                                                                                                                                                                                        21 YLTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLFGLATLIT
                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                             24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ---VASRVIGALIGVFALRLI 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 7.9%; Score 90; DB 4; Length 173; Best Local Similarity 21.1%; Pred. No. 0.021; Matches 35; Conservative 36; Mismatches 71; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 62; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     184 FSLPAVRRAYGRMQRVASRVIGALIGVFALRLIYEG 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : :| :|:|| ||: : | ||: |
I----LSLSYEYTRRIATTTIGQIVAIILL-LIFHG 206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              41; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-11-08
PRIOR FILING DATE: 1997-08-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7.2%; Score 82;
21.8%; Pred. No. (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Staphylococcus epidermidis US-09-134-001C-3929
                                                                                                                  ) ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4026
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     180 LSQAFSLPAVRRAYGRMQR--
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4026
LENGTH: 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             83 QL--IFSLI-----
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3929
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US-07-732-242C-7
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                                                                                                   TYPE: PRT
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SEQUENCE CF
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                                                                                                                                                                                                                                                                                                                  201 LTIALFVISFIAILARSNPKAPNSQVWTAWSNYTGWSDGVCFILG--LSTSCFMFIGLDA 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                   LATLITQCEEIFSLI-RIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWYVFFRRGLI 133
                                                                                                                                                                                                                                                                                                                                                                                               ---AFPYTIAVLYG-I 299
                                                                                                                                                                                                                                                                                  22 LTVGLFVITFF-----NPGA-NLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLFG 74
                                                                                                                                                                                                                                                                                                                                                                                                                              TDLSNPQTVLFFISIFSVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVRRAY
                                                                                                                                                                                                                   DB 4; Length 525;
                                                                                                                                                                                                                                                   Indels
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APPLICANT: Cases, Sylvaine
APPLICANT: Smith, Steven
TITLE OF INVENTION: Diacylglycerol O-acyltran
TITLE OF INVENTION: sferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                             Query Match 7.0%; Score 79.5; D. Best Local Similarity 23.8%; Pred. No. 1.4; Matches 48; Conservative 35; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E: Bozicevic & Reed
285 Hamilton Avenue, Suite 200
                             CURRENT APPLICATION NUMBER: US/09/351,224E CURRENT FILING DATE: 1999-07-12 NUMBER OF SEQ ID NOS: 11 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 8 LENGTH: 525
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      194 GRMQRVASRVIGAIIGVFALRL 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SRLTWSFARDNGLVFSTHLERI 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 5, Application US/09103754A Patent No. 6344548
Detoxification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: FIELD, Bret E
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 65.
TELECOMMUNICATION:
TELEPHONE: 650 327 3400
                                                                                                                                                           ; ORGANISM: Exophiala spinifera
US-09-351-224E-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 5:
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CORRESPONDENCE ADDRESS:
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MEDIUM TYPE: Diskett
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              FILE REFERENCE: 5718-111
TITLE OF INVENTION:
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APPLICANT: Farese
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                                                                                                                                            TYPE: PRT
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Sequence 4857, Application US/09134001C

Sequence 4857, Application US/09134001C

Batent No. 6380370

GENERAL INFORMATION

TITLE OF INVENTION: BELEATING TO STAPHYLOCOCC

TITLE OF INVENTION: BPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC -007

CURRENT APPLICATION NUMBER: US/09/134,001C

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR FILING DATE: 1997-11-08

PRIOR FILING DATE: 1997-11-08

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 4857
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             179 VNLATIICEPAAVAL -- LVESITPVGSVFAL ----ASYSIMFLKLYSYRDVNLWCRQRR 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :|| :| :| | :| 232 VKAKAVSTGKKVSGAAAQQAVSYPDNLTYRDLYYFIFAPTLCYELNFPRSPRIRKRFLLR 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60 VALGDAFYSGLGLFGLATLITQCEEIFSL-IRIVGGAYLLWFAWCSMRRQSTPQMSTLQQ 118
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    182 GI------IILNEDSNDTVMFWLVGSLAGI------KWQQIIFILPFELLAIFV 223
                                                                                                                                                                                                                                                                                                                    2 MQLVHLFMDEITMDPLHAVYLTVGLFVITFFNPGANLFVVVQTSLASG---RRAGVLTG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 MQLVHLFMDEITMDPLHAVYLTVGLFVITFFNPGANLFVVVQTSL--ASGRRAGVLTGLG
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                                                                                                                                                                                                                                                               62; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                224 TIFMGRQLTILELGDDIARGLGQRTEIVRMIVGILVVVLA 263
                                                                                                                                                                                                                                                                  28; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  44; Mismatches
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                                                                                                                                                                                                                6.8%;
CHARACTERISTICS:
: .498 amino acids amino acid
                                                                                                                                                                                                                                         Best Local Similarity 22.0 Matches 42; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             292 RVLEMLFFTQL 302
                                                                                                      ; TOPOLOGY: linear; MOLECULE TYPE: protein US-09-103-754A-5
                                                                             single
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Best Local Similarity
                                                    TYPE: amino a STRANDEDNESS:
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132 LITDLS----NPQTVLFFISIFSVTLNAET-----PTWARLMAWAGIVLAS-----I 174
                                                                             515 LYWRICWKFVSPAFILFVVVVSIINFKPLTYDDYIFPPWANWVGW-GIALSSMVLVPIYV 573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            402 TFW---AVVFFVMLLALGLDSSMGGMEAVITGLADDFQVLKRHRKLFTFGV-TFSTFLLA 457
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458 LFCITK--GGIYVLTLL-DTFAAGTSILFAVLMEAIGVSWFYGVDRFSNDIQQMMGFRPG 514
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                                                                                                                                                                                                                                                                                                                                         APPLICANT: Uhl, George R.
APPLICANT: Vandenbergh, David
APPLICANT: Vandenbergh, David
APPLICANT: Persico, Antonio
TITLE OF INVENTION: SEQUENCE OF HUMAN DOPAMINE TRANSPORTER
TITLE OF INVENTION: CDNA
TITLE OF INVENTION: CDNA
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "Hnat sequence, see F1g. 5"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        85 IFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWY-----
                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP STREET: P.O. Box 747 CITY: Falls Church STATE: Viral.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UNBER: US/08/301,722A
FILING DATE: 07-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. 4.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  6.7%; Score 75.5;
                                                                                                                                                                                                                                                                       Sequence 3, Application US/08301722A Patent No. 5756307
                                                                                                                           175 IWRVFLSQAFSLPAVRRAYG 194
                                                                                                                                                        574 IXK-FLSTOGSL-WERLAYG 591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFRENCE/COCKET NUMBER: 1173
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-205-8000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 617 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RAGMENT TYPE: N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 703-205-8050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: Protein LOCATION: 1..617 OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: amino acid
STRANDEDNESS: not
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best_Local Similarity
Matches 50; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   22040-3487
                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-301-722A-3
                                                                                                                                                                                                                                                       JS-08-301-722A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWY---------VFFRRG 131
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                                                                           APPLICANT: Fremeau Jr., Robert T.
APPLICANT: Caron, Marc G.
APPLICANT: Blakely, Randy D.
TITLE OF INVENTION: A High Affinity L-Proline Transporter
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kilpatrick & Cody
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  76; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: Active-site
LOCATION: 102..103
OTHER INFORMATION: /note= "Leucine zipper motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 109..110
OTHER INFORMATION: /note= "Leucine zipper motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION: 116.117
COTHER INFORMATION: /note- "Leucine zipper motif"
US-07-879-617A-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Leucine zipper motif"
                                                                                                                                                                                                                                                                                                                              COMPUTER REDBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
TISSUE TYPE: Brain -norepinephrine transporter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1;
                                                                                                                                                                                                           E: Kilpatrick & Cody
1100 Peachtree Street, Suite 2800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 75.5; Di
Pred. No. 4.8;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 19920501
CLASSIFICATION: 435
ATORNENYAGENT INFORMATION:
NAME: PADST, PALERA L.
REGISTRATION NUMBER: 31,284
REFERENCE/POCKET NUMBER: EMU109
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-815-6598
               Sequence 11, Application US/07879617A Patent No. 5580775 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 617 amino acids
TYPE: AMINO ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LOCATION: 95..96
OTHER INFORMATION: /note=
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Best Local Similarity 25.09
Matches 50; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                          URRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: Active-site LOCATION: 109.110
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
                                                                                                                                                                                                                                                                             Georgia
                                                                                                                                                                                                                                                     CITY: Atlanta
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DB 1; Length 617;
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APPLICANT: Caron, Marc G.
APPLICANT: Blakely, Randy D.
TILLE OF INVENTION: A High Affinity L-Proline Transporter
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ALIDATIACK & Cody
STREET: 1100 Peachtree Street, Suite 2800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: Active-site
LOCATION: 102..103
OTHER INFORMATION: /note= "Leucine zipper motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: Active-site
LOCATION: 109..110
OTHER INFORMATION: /note= "Leucine zipper motif"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Leucine zipper motif'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPENTING SYSTEM: PC-DOS/MS-DOS .
SOFTWARE: Patentin Release #1.0, Wersion #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/753,985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
TISSUE TYPE: Brain -norepinephrine transporter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 75.5;
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03-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 03-DEC-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/879617
FILING DATE: 01-MAY-1992
ATTORNEY/AGENT INFORMATION:
ATTORNEY PADSE, PATER I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: EM0109
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-815-6508
                                                                                                                                         Sequence 11, Application US/08753985
Patent No. 5759788
GENERAL INFORMATION:
175 IWRVFLSQAFSLPAVRRAYG 194
                          574 IYK-FLSTQGSL-WERLAYG 591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: Active-site
LOCATION: 95..96
OTHER INFORMATION: /note-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             6.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      : 617 amino acids amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FRAGMENT TYPE: N-terminal ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 404-815-6555 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) NAME/KEY: Active-site
) LOCATION: 116.117
) OTHER INFORMATION: /nc
US-08-753-985-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      404-815-6555
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
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132 LITDLS----NPQTVLFFISIFSVTLNAET-----PTWARLMAWAGIVLAS-----I 174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              402 TFW---AVVFFVMLLALGLDSSMGGMEAVITGLADDFQVLKRHRKLFTFGV-TFSTFLLA 457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30 TFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAF----YSGLGLFGLATLITQCEE
                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Hartig, Paul R.
APPLICANT: Weinshank, Richard L.
FITLE OF INVENTION: DNA ENCODING A GLYCINE TRANSPORTER AND USES
ITLE OF INVENTION: THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 617;
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25.0%; Pred. No. 4.8;
tive 29; Mismatches 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 1795/39875-A-PCT-US
TELECOMMUNICATION: INFORMATION:
TELEPHONE: (212) 278-0400
TELEFRAX: (212) 391-0525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: HUMAN NORADRENALINE TRANSPORTER US-08-240-783B-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSE: Cooper & Dunham LLP STREET: 1185 Avenue of the Americas CITY: New York STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/240,783B
                                                                                                                                                                                                                            Sequence 3, Application US/08240783B Patent No. 5756348
                                                                                                          175 IWRVFLSQAFSLPAVRRAYG 194
                                                                                                                                                                                                                                                                                                                   Borden, Laurence A.
Branchek, Theresa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MG-SOFFIUM SYSTEM: PC-DOS/MG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: protein HYPOTHETICAL: N
                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION: 800
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ORIGINAL SOURCE:
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                                                                                                                                                                                             132 LITDLS----NPQTVLFFISIFSVTLNAET-----PTWARLMAWAGIVLAS-----I 174
                                                    30 TFFNPGANLFVVVQTSLASGRRAGVLFGLGVALGDAF----YSGLGLFGLATLITQCEE 84
                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Hartig, Paul R.
APPLICANT: Weinshank, Richard L.
TITLE OF INVENTION: THEREOF
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
STREFF.
STREFF.
                     45;
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                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      76; Indels
                  16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 1795/39875-AZ-PCT-US
TELECOMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

6.7%; Score 75.5; DB 3;
Best Local Similarity 25.0%; Pred. No. 4.8;
Matches 50; Conservative 29; Mismatches 76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: HUMAN NORADRENALINE TRANSPORTER US-09-084-813-3
Best Local Similarity 25.0%; Pred. No. 4.8; Matches 50; Conservative 29; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Cooper & Dunham LLP
1185 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/084,813
FILING DATE: 26-MAY-1998
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                IWRVFLSQAFSLPAVRRAYG 194
                                                                                                                                                                                                                                                                                      US-09-084-813-3; Sequence 3; Application US/09084813; Sequence No. 6127131; Patent No. 6127131; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 3: SEGUENCE CHARACTERISTICS:
LENGTH: 617 antho actds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  internal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: prote
HYPOTHETICAL: N
FRAGMENT TYPE: inter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STATE: New York COUNTRY: U.S.A. ZIP: 10036
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30 TFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAF----YSGLGLFGLATLITQCEE 84

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: : | | : | | | : | 458 LECITK--GGIYVLTLL-DTFAAGTSILFAVLMEAIGVSWFYGVDRFSNDIQQMMGFRPG 514
                                                                                                                                             132 LITDLS----NPQTVLFFISIFSVTLNAET-----PTWARLMAWAGIVLAS-----I 174
-----VFFRRG 131
                                                              85 IFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWY
                                                                                                                                                                                                                                                                                                                          Search completed: July 21, 2003, 08:35:59
Job time : 16 secs
                                                                                                                                                                                                                                                        175 IWRVFLSQAFSLPAVRRAYG 194
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GenCore version 5.1.6 Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

July 21, 2003, 08:35:34; Search time 22 Seconds (without alignments) 1203.792 Million cell updates/sec Run on:

US-09-459-573-10 1135 1 MMQLVHLFMDEITMDPLHAV......IGAIIGVFALRLIYEGVTQR 223 Title: Perfect score: Sequence:

Scoring table:

BLOSUM62 Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 451899 seqs, 118759770 residues Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database :

6/ptodate1/ptubpa/(1806_NRW_PUB.pep:*
6/ptodate1/ptubpa/(1806_NRW_PUB.pep:*
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6/ptodate1/ptubpa/(1809_NRW_PUB.pep:*
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6/ptodate1/ptubpa/(1809_NRW_PUB.pep:*
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6/ptodate1/ptubpa/(1809_NRW_PUB.pep:*
6/ptodate1/ptubpa/(1809_NRW_PUB.pep:*) /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*/cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*/cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:* Published_Applications_AA: /cgn2_

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

					SUMMARIES	
Result		* Ouery				
No.	Score	Match	Match Length DB	DB	ΩĪ	Description
1	217	19.1		11	US-09-738-626-3665	Sequence 3665, Ap
7	179	15.8		11	US-09-738-626-6418	
m	175	15.4		15	US-10-156-761-10918	Sequence 10918, A
4	168	14.8		15	US-10-156-761-11297	Sequence 11297, A
ഹ	166	14.6		11	US-09-738-626-6070	
9	166	14.6		12	US-09-746-660A-14	
7	140.5	12.4		15	US-10-156-761-7796	Sequence 7796, Ap
6 0	126.5	11.1		10	US-09-927-395-2	
9	126.5	11.1		11	US-09-847-392-2	Sequence 2, Appli
10	114	10.0		15	US-10-156-761-8659	
11	108.5	9.6		15	US-10-156-761-14994	Sequence 14994, A
12	108	9.5		15	US-10-264-104-5	Sequence 5, Appli
13	92	8.1		12	US-09-746-660A-52	
14	92	8.1		15	US-10-196-232-25	25,
15	92	8.1	236	11	US-09-738-626-6955	Sequence 6955, Ap
16	92	8.1		15	US-10-166-142-8	Sequence 8, Appli

Sequence 160, App Sequence 5894, Ap Sequence 4, Appli Sequence 4703, Ap	92001	Sequence 46, Appl Sequence 48, Appl Sequence 2, Appli Sequence 44, Appl	44466	Sequence 8, Appl1 sequence 6302, Ap Sequence 78, Appl Sequence 10929, A Sequence 10929, A Sequence 10, Appl Sequence 69, Appl Sequence 69, Appl Sequence 10948, A Sequence 15, Appl
AC + + + 1	-10-156-761-994 -09-733-387-52 -09-733-387-50 -09-769-787-148	-09-733-387 -09-733-387 -09-887-377 -09-733-387	10-183-116-1 -10-079-384-4 -10-156-761-1 -09-738-626-6 -09-738-626-6	-882- -738- -738- -156- -273- -273- -273-
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88 88 .5 88 .5 85 .5 84	83. 83. 83. 83.	00000		2.07 2.07 2.07 2.07 2.07 2.07 2.07 2.07
	6646 6646) H 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 W W W W A A A A A A C C C C C C C C C C C C C C

ALIGNMENTS

PRIOR APPLICATION NUMBER: JP 9/37484
PRIOR FILING DATE: 1999-12-18
PRIOR FILING DATE: 1999-12-16
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR APPLICATION NUMBER: JP 00/280988
NUMBER OF SEQ ID NOS: 7059 TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES FILE REFERENCE: 249-125 CURRENT APPLICATION NUMBER: US/09/738,626 CURRENT FILING DATE: 2000-12-18 Sequence 3665, Application US/09738626 Publication No. US20020197605A1 GENERAL INFORMATION: ORGANISM: Corynebacterium glutamicum Us-09-738-626-3665 APPLICANT: NAKAGANA, SATOSHI APPLICANT: MIZOGGOHI, HIROSHI APPLICANT: ANDO, SEIKO APPLICANT: HAYASHI, MIKIRO APPLICANT: OCHIAI, KEIKO APPLICANT: TATEISHI, NAOKO APPLICANT: TATEISHI, NAOKO APPLICANT: IKEDA, MASATO APPLICANT: IKEDA, MASATO SOFTWARE: Patentin ver. 3.0 SEQ ID NO 3665 LENGTH: 226 18-09-738-626-3665

19.1%; Score 217; DB 11; Length 226; 28.6%; Pred. No. 4.3e-15; tive 48; Mismatches 81; Indels 28 Query Match Best Local Similarity 28.6% Matches 63; Conservative δ

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81 QCEEIFSLIRIVGGAYLLWFAWCSMR-----RQSTPQMSTLQQPIS-----APWYVFFR 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       68 ANALLEGIVKYAGAGYLTWLAFGMLRAAWEMWRTRRDRADAARAPVAGVERP----FR 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    130 RGLITDLSNPQTVLFFISIF -- SVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10 YL-AGLVLIVLL-PGPNSLYVLSVAARKGVRAGYTAAAGVWCGDTVLMTLSAAGVASLLQ 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 YLTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLFGLATLIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            97; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ch 15,4%; Score 175; DB 15; OB 15; OB 16; Similarity 27.9%; Pred. No. 1.2e-10; 60; Conservative 34; Mismatches 97;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                188 AVRRAYGRMQRV---ASRVIGALIGVFALRLIYEG 219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 15;
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Pred. No. 6e-10;
                                                                                    APPLICANT: HORIGAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT APPLICATION NUMBER: UP 2001-204089
PRIOR APPLICATION NUMBER: UP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR PRILING DATE: 2001-05-30
PRIOR PRILING DATE: 2001-05-30
SPROR FILING DATE: 2001-05-30
SPROR FILING DATE: 2001-08-02
LENGTH: 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: IKEDA, HARUO
APPLICANT: IKEDA, HARUO
APPLICANT: IKEDA, TADAYOSHI
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: HATTORI, YOSHIYUKI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TILE OF INVERTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2001-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-06-30
PRIOR FILING DATE: 2001-06-30
PRIOR FILING DATE: 2001-06-30
PRIOR FILING DATE: 2001-08-02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 11297, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Streptomyces avermitilis US-10-156-761-10918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Streptomyces avermitilis
US-10-156-761-11297
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25.9%;
                                                                          ISHIKAWA, JUN
HORIKAWA, HIROSHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: OMURA, SATOSHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 60; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 138 NPQTVLFFISIFSVTL-NAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVRRAYGRM 196
                                                                                                                                         125 YVFFRRGLITDLSNPQTVLFFISIFSVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAF 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                120 NPKALLFFRAILPQFIGNGEDMKMRTLALCATIVLGSGAWWL-----GTIALVRGIG-L 172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     79 ITQCEEIFSLIRIVGGAYLLWFAWCSMR-RQSTPQMSTLQQPISAPWYVFFRRGLITDLS 137
8 ALFL---VWIAAIASPGPDLFQIIRLS-AKNRRDGVLTAVGIMVGNSIMIIASLLGLSAL 63
                                                                                                                                                                            19 AVYLTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLFGLATL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 207;
                                               79 ITQCEEIFSLIRIVGGAYLLWFAWCSMR----RQSTPQMSTLQQPI----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                       SLPAVRRAYGRMQRVASRVIGAIIGVFALRL----IYEGV 220
                                                                                                                                                                                                                                                                        Query Match 15.8%; Score 179; DB 11; Best Local Similarity 31.6%; Pred. No. 4.2e-11; Matches 65; Conservative 32; Mismatches 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: YOKOI, HARUHIKO
APPLICANT: TANBISHI, NAOKO
APPLICANT: SENOH, AKIHIRO .
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/09/738,626 CURRENT FILING DATE: 2000-12-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: UP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: Patentin ver. 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                197 QRV--ASRVIGALIGVFALRLIYEGV 220
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Publicatior No. US20030119018A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6418
                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6418, Application US/09738626
Publication No. US20020197605A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: NAKAGAWA, SATOSHI
APPLICANT: MIZOGUCHI, HIROSHI
APPLICANT: ANDO, SEIKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HAYASHI, MIKIRO
OCHIAI, KEIKO
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US-10-156-761-7796
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            JS-09-746-660A-14
                                                                                                                                                                          APPLICANT:
                                                                                                                      APPLICANT:
                                                                                                                                                                                            APPLICANT:
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                                                                                                                                       APPLICANT
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                                                                                                  79 ITQCEEIFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWYVFFRRGLITDLSN 138
                                                                                                                                                                          PQTVLFFISIFSVTLN-----AETPTWARL-MAWAGIV--LASIIWRVFLSQAFSLP 187
                                                                                                                                                                                              19 AVYLTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVALGDAFYSGLGLFGLATL 78
                                                                7 AAFLAIDLLLV--FIPGADWAYAIAAGLRD--RSVVPAVAGLVAGYAGYILLAVAGLVVI 62
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Gaps
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90; Indels
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14.6%; Score 166; DB 11;
Best Local Similarity 26.0%; Pred. No. 1.1e-09;
Matches 56; Conservative 50; Mismatches 83;
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39; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2000-12-18
PRIOR PAPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
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Publication No. US20020197605A1
                                                                                                                                                                                                                                                                             TAARAVARVSGTMMIVIGGFL 198
                                                                                                                                                                                                                                            188 AVRRAYGRMQRVASRVIGAIĮ 208
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HAYASHI, MIKIRO
OCHIAI, KEIKO
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TATEISHI, NAOKO
SENOH, AKIHIRO
IKEDA, MASATO
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SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 6070
LENGTH: 223
Conservative
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APPLICANT:
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           187 PAVRRAYGRMORVASRVIGAIIGVFALRLIYEGVT 221
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PRIOR APPLICATION NUMBER: DE 19931420.9
PRIOR FILING DATE: 1999-07-08
NUMBER OF SEQ ID NOS: 125
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Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HAROO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HERDA, HAROO
APPLICANT: HORIKAWA, JUN
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Sequence 14, Application US/09746660A Publication No. US20030049804A1 GENERAL INFORMATION:
                                                                                                                                                                         Kroger, Burkhard
Schroder, Hartwig
Zelder, Oskar
Haberhauer, Gregor
Kim, Jun-Won
Lee, Heung-Schick
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SAKAKI, YOSHIYUKI
HATTORI, MASAHIRA
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SEO ID NO 14
LENGTH: 223
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Matches 56; Conservative
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48; Mismatches
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                                                                                                                                                               RAY ---- GRMQRVASRVIGAI 207
                                                                                                                                                                                                        171 IALWIKGPKOMKALNKIFGSL 191
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                                                                                                                                                                                                                                                                                                                        Sequence 2, Application US/09847392
Patent No. US20020102670A1
GENERAL INFORMATION:
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APPLICANT: ILEDA, HAROO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
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NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
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LENGTH: 205
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        125 HGRWRSGFTQGFLTNVLNPKAALFFLSILPQFVHGGGSTSRQIFFLGTLDIVIGVAYWFA 184
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APPLICANT: ZAKATAEVA, NATALIA PAVLOVNA
APPLICANT: ALCOSHIN, VALADIMIR VENRAMIOVICH
APPLICANT: ALCOSHIN, VALADIMIR VENRAMIOVICH
APPLICANT: TOKHMAKOVA, IRINA LVOVNA
TITLE OF INVENTION: DNA CODING FOR PROFIEIN WHICH CONFERS ON BACTERIUM
TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO LO-HOMOSERINE AND METHO
TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO LO-HOMOSERINE AND METHO
TITLE OF INVENTION: LOSP PRODUCING L-AMINO ACIDS
TITLE OF INVENTION: SCOP PRODUCING L-AMINO ACIDS
FILE REFERENCE: 0010-1039-0
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 09/396,357
PRIOR PELING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PACENTIN Ver. 2.1
SEQ ID NO 2
LENGTH: 205
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                                                                                                                                                                                                                                                                                                                                                     DB 15;
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22.4%; Pred. No. 5.6e-07;
iive 38; Mismatches 76
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES; FILE REFERENCE: 249-262; CURRENT PAPLICALION NUMBER: US/10/156,761; CURRENT FILING DATE: 2002-05-29; PRIOR APPLICATION NUMBER: UP 2001-204089; PRIOR FILING DATE: 2001-05-30; PRIOR APPLICATION NUMBER: JP 2001-272697; PRIOR FILING DATE: 2001-08-02; NUMBER FILING DATE: 2001-08-02; SEQ ID NO 7796
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    185 LVAVAARLRAFLAR----PKVRHGW 205
                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-7796
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US-09-927-395-2
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Best Local Similarity
Matches 46; Conserv
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APPLICANT: LIYSHITS, VITALY ARKADIEVICH
APPLICANT: ZAKATAEVA, NATALYA PAVLOVNA
APPLICANT: ZAKATAEVA, NATALYA PAVLOVNA
APPLICANT: BELAREOVA, ALL VALENTINOVNA
APPLICANT: BELAREOVA, IRINA LVOVNA
APPLICANT: BELAREOVA, IRINA LVOVNA
TITLE OF INVENTION: DNA CODING FOR PROTEIN WHICH CONFERS ON BACTERIUM
TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO LO-HOMOSERINE AND METHOD
TITLE OF INVENTION: FOR PRODUCING L-AMINO ACIDS
FILE REFERENCE: 0010-1039-0
CURRENT FILING DATE: 2001-05-03
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: (09/396/357)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    71 GLFGLATLITQCEETFSLIRIVGGAYLLWFAWCSMRRQSTPQMSTLQQPISAPWYVFFRR 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            131 GLITDLSNPQTVLFFISIFSVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVR 190
57
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80 LVLIALAVRGATAAVRHYRSPRHAAAARRTPPSPARAYL----GLLGITLLNPTTVIYFA 135
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Best Local Similarity 27.6%;
Matches 59; Conservative 26
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Zelder, Oskar
Haberhauer, Gregor
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Lee, Heung-Schick
                                                                                                                          205 -GAIIGVFALRLI 216
                                                                                                                                                              194 SSAVILGLAVRML 206
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              86 FSLIRIVGGAYLLWFAWCSMRR-----QSTPQMSTLQQPISAPWYVFFRGLITDL 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     137 S----NPQTVLFFISIF-SVTLNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVRR 191
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                                                                                                                                                                                                                                                                                                                                                                                                                                    12 FGTGLSLIVAIGAQNAFVLRQGIRRDAVLAVVGICALSDALLIALGVGGVGAVVVAWPRA
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Pred. No. 0.0013;
'----thes 92; Indels
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; Pred. No. 0.00032;
31; Mismatches 82;
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APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-06-30
NUMBER OF SEQ ID NOS: 15109
SQU ID NO 14994
            CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT APPLICATION NUMBER: US/10/156,761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
  TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
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Publication No. US20030119018A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                ORGANISM: Streptomyces avermitilis US-10-156-761-8659
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US-10-156-761-14994
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25.0%;
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APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 25.0%
Matches 51; Conservative
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Best Local Similarity 25.99
Matches 50; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            129 WLI-APLVVESSASTMHMDTVVMSSOPFKLDWWPFIRDILF-----IVLLLVMLMLTM 180
                                                   136 ALVLGSRAAQAVLPLEQGVFVLAAFV-ASASWQVLLAGGGALLG-RALTGRRGRLVTALL 193
147 SIF -- SVILNAETPTWARLMAWAGIVLASIIWRVFLSQAFSLPAVRRAYGRWQRVASRVI 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5 VHLFMDEITMDPLHAVYLTVG-----LFVITFFNP-----GANLFVVVQTSLASG 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 50 RRAGV------LTGLGVALGDAFYS-----GLGLFGLATLITQCEEIFSLIRIVGGA 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    50; Gaps
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TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
FILE REFERENCE: BG1-121CP2
CURRENT APPLICATION NUMBER: US/09/746,660A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Transporter Family Member
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Pred. No. 0.0016;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MMVATMKW-RLNRWEGIVLL-LIYIVYIVFAILL 212
                                                                                                                                                                                                                                                                            CS-10-24-104-5
Sequence 5, Application US/10264104
Sequence 5, Application US/10264104
GENERAL INFORMATION:
APPLICANT: Curtis, Rory, A.J.
APPLICANT: Millennium Pharmaceuticals, Inc.
TITLE OF INVENTION: and Uses Therefor
FILE REFERENCE: MPIO1-218P1RM
CURRENT APPLICATION NUMBER: US/10/264,104
CURRENT FILING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: 60/326,906
PRIOR APPLICATION NUMBER: 60/326,906
PRIOR FILING DATE: 2001-10-03
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
IENGTH: 227
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. Sequence 52, Application US/09746660A; Publication No. US20030049804A1
; GENERAL INFORMATION:
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8 LELGASELLESIGP-QNVLVIKQ----GIKREGLIAVLEVCEISDVFLFIAGTEGVDELSN 62
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           122 DTRNRVRVEVSYDKORVWVKPMLMAIVLTWLNPNAYLDAFVFIGGV--GAQYGDTGRWIF 179
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8 LLLGASLLLSIGP-QNVLVIKQ----GIKREGLIAVLLVCLISDVFLFIAGTLGVDLLSN 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22 LIVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVAL-GDAFYSGLGLFGLATLIT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              81 QCEEIFSLIRIVGGAYLLWFAWCSMRRQST-----PQMSTLQQPISAP----
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Publication No. US20030113899A1
GENERAL INFORMATION:
APPLICANT: YAMAGUCHI, MIKIKO
APPLICANT: TTO, HISAO
APPLICANT: YASUEDA, HISASHI
TTLE OF INVENTION: METHOD FOR PRODUCING L-ARGININE
FILE REFERENCE: 225391USO
CURRENT APPLICATION NUMBER: US/10/196,232
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: JP 2001-224586
PRIOR FILING DATE: 2001-07-25
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8.1%; Score 92; DB 12; I
Best Local Similarity 22.9%; Pred. No. 0.081;
Matches 54; Conservative 33; Mismatches 101;
                  PRIOR APPLICATION NUMBER: 09/606140
PRIOR FILING DATE: 2000-06-23
PRIOR FILING DATE: 2000-06-23
PRIOR FILING DATE: 2000-06-23
PRIOR FILING DATE: 1999-06-25
PRIOR PLILING DATE: 1999-06-25
PRIOR PLILING DATE: 1999-07-02
PRIOR PLILING DATE: 1999-07-08
NUMBER OF SEQ ID NOS: 125
SOFTWARRE: PATENTIN VIMBER: 20
SOFTWARRE: PATENTIN VETS: 2.0
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; ORGANISM: Corynebacterium glutamicum
US-10-196-232-25
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SEQ ID NO 25
LENGTH: 233
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22 LTVGLFVITFFNPGANLFVVVQTSLASGRRAGVLTGLGVAL-GDAFYSGLGLFGLATLIT

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24 --------WYVFFRGLITDLSNPQTVL-FFISIFSVTLNAETPTWARLMA 165
                                                                                                                                                                            122 DTRNRVRVEVSVDKQRVWVKPMLMAIVLTWLNPNAYLDAFVFIGGV -- GAQYGDTGRWIF 179
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                                     124 --------WYVFFRGLITDLSNPQTVL-FFISIFSVTLNAETPTWARLMA 165
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                                                                                                                                                                                                                                        166 WAGIVLASIIWRVFLSQAFSLPAVRRAYG--RMQRVASRVIGAIIGVFALRLIYEG 219
                                                                                                                                                                                                                                                                                                 180 AAGAFAASLIW--FPLVGFGAAALSRPLSSPKVWRWINVVVAVVMTALAIKLMLMG 233
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 8.1%; Score 92; DB 11; Length 236; Best Local Similarity 22.9%; Pred. No. 0.083; Matches 54; Conservative 33; Mismatches 101; Indels
81 QCEEIFSLIRIVGGAYLLWFAWCSMRROST----POMSTLQOPISAP-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: TATEISHI, NACKO
APPLICANT: SENOH, AKIHIRO
APPLICANT: SENOH, AKIHIRO
APPLICANT: USDA, MASATO
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REPERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738,626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR PILING DATE: 2000-04-07
PRIOR PELING DATE: 2000-04-07
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PATENTIN VONCE: 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6955, Application US/09738626
Publication No. US20020197605A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Corynebacterium glutamicum US-09-738-626-6955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MIZOGUCHI, HIROSHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANDO, SEIKO
HAYASHI, MIKIRO
OCHIAI, KEEKO
YOKOI, HARUHIKO
SENOH, AKHIRO
IKEDA, MASATO
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